

MOD 10-15KTL3-HU

- Battery ready, future proof
- Triple MPP trackers for more flexibility
- Integrated backup function without backup box
- Support accurate AFCI protection
- Reliable Type II SPD for both DC and AC side



P O W E R
- I N G
T O M O R -
R R O W



| Datasheet | MOD 10KTL3-HU | MOD 11KTL3-HU | MOD 12KTL3-HU | MOD 13KTL3-HU | MOD 15KTL3-HU |
|------------------------------------------------|-------------------------------------|----------------|----------------|----------------|---------------|
| Input data (DC) | | | | | |
| Max. recommended PV power (for module STC) | 20000W | 22000W | 24000W | 26000W | 30000W |
| Max. DC voltage | 1000V | | | | |
| Start voltage | 160V | | | | |
| Nominal DC voltage | 600V | | | | |
| MPPT voltage range | 140V~1000V | | | | |
| No. of MPP tracker | 3 | | | | |
| No. of PV string per MPP tracker | 1 | | | | |
| Max. input current per MPP tracker | 20A | | | | |
| Max. short-circuit current per MPP tracker | 25A | | | | |
| Output data (AC) | | | | | |
| AC nominal power | 10000W | 11000W | 12000W | 13000W | 15000W |
| Max. AC apparent power | 11000VA | 12100VA | 13200VA | 14300VA | 16500VA |
| Nominal AC voltage | 220/380V, 230/400V | | | | |
| AC grid frequency (range) | 50/60Hz (45-55Hz/55-65Hz) | | | | |
| Max. output current | 16.7A | 18.3A | 20A | 21.7A | 25A |
| Adjustable power factor | 0.8leading...0.8lagging | | | | |
| THDi | <3% | | | | |
| AC grid connection type | 3W+N+PE/3W+PE | | | | |
| Battery data (DC) | | | | | |
| Compatible battery | APX 5.0-30.0P-S2 | | | | |
| Operating voltage range | 600~980V | | | | |
| Max. operating current | 25A | | | | |
| Max. discharge power | 10kW | 11kW | 12kW | 13kW | 15kW |
| Max. charge power | 15kW | | | | |
| Backup output (AC) | | | | | |
| AC nominal power | 10kW | 11kW | 12kW | 13kW | 15kW |
| Peak output apparent power | 12kVA @10min | 13.2kVA @10min | 14.4kVA @10min | 15.6kVA @10min | 18kVA @10min |
| Peak output apparent power on single phase | 3.33kVA | 3.67kVA | 4kVA | 3.25kVA | 5kVA |
| Nominal AC voltage | 220/380V, 230/400V | | | | |
| Max. output current | 18.2A | 20A | 21.8A | 23.6A | 27.3A |
| AC grid frequency | 50/60Hz | | | | |
| THDv | <3% | | | | |
| Efficiency | | | | | |
| Max. efficiency | 98.60% | | | | |
| European efficiency | 98.10% | | | | |
| Protection devices | | | | | |
| DC reverse polarity protection | Yes | | | | |
| DC switch | Yes | | | | |
| AC/DC surge protection | Type II | | | | |
| Insulation resistance monitoring | Yes | | | | |
| AC short-circuit protection | Yes | | | | |
| Ground fault monitoring | Yes | | | | |
| Grid monitoring | Yes | | | | |
| Anti-islanding protection | Yes | | | | |
| Residual-current monitoring unit | Yes | | | | |
| String fault monitoring | Yes | | | | |
| AFCI protection | Yes | | | | |
| General data | | | | | |
| Dimensions (W / H / D) | 468/408/202mm | | | | |
| Weight | 20kg | | | | |
| Operating temperature range | -25°C ... +60°C | | | | |
| Noise level | ≤29dB (A) | | | | |
| Max. operating altitude | 4000m | | | | |
| Nighttime power consumption | < 20W | | | | |
| Topology | Transformerless | | | | |
| Cooling | Natural | | | | |
| Protection degree | IP66 | | | | |
| Relative humidity | 0~100% | | | | |
| DC connection | H4/MC4(Optional) | | | | |
| AC connection | Waterproof PG connector+OT terminal | | | | |
| Display | OLED+LED/WIFI+APP | | | | |
| Interfaces: RS485/CAN/USB | Yes | | | | |
| Monitor: WiFi-X/WiLan-X2/Grohome/Shinemaster-X | Optional | | | | |
| Warranty: 10 years | Yes | | | | |